

[illegible]

0=generateStandardPreamble

5

```
3=generateText(TestThread header,Common.ini,random,vendor.csv)
```

```
5=generateText(com.testmybeans.vendor.Vendor
```

10

```
7=generateText(Bean end create,Common.ini,random,vendor.csv)
```

```
9=generateText(CloseLog,Common.ini,random,vendor.csv)
```

15

```
11=generateStandardTrailer
```

## APPENDIX 2 (A Template)

[Java EJB imports]  
//[Java EJB imports]

5 package com.testmybeans.client;  
import javax.naming.InitialContext;  
import javax.naming.Context;  
import javax.naming.NamingException;  
import java.rmi.RemoteException;

10 import java.util.\*;  
import java.io.\*;

[Hello imports]  
//[Hello imports]

15 import com.softbridge.hello.HelloHome;  
import com.softbridge.hello.Hello;  
import com.softbridge.hello.HelloPK;

[TestThread header]  
//[TestThread header]

20 public class \$system.programName\$ extends Thread  
{  
int tempInt=0;  
Double tempDouble=new Double(0.0);

25 Float tempFloat=new Float(0.0);  
short tempShort=0;  
long tempLong=0;  
String tempString="";  
long sTime=0;

30 long sStartTime=0;  
int m\_instanceNumber = 0;  
static String m\_urlName = null;  
String threadNumber="";  
public \$system.programName\$(int inst, String url)

35 {  
m\_instanceNumber = inst;



```

//[Bean end findByPrimaryKey]
}
catch (Exception e)
{
5  logError("except", "beanMethods", e.toString(), "");
}
finally
{
try
10 {
closeLog();
h = null;
}
catch (Exception e)
15 {
logError("except", "closeHome", e.toString(), "");
}
}
}
20
[Log to disk]
//[Log to disk]
public void logError(String key, String functionName, String expected, String actual)
{
25 try
{
String elapsedTime = Long.toString(new Date().getTime() - sTime);
com.testmybeans.client.CThreadWriter.write(key + "~" + functionName + "~" + expected
+ "~" + actual + "~" + elapsedTime + "~" + threadNumber);
30 }
catch (Exception e)
{
System.out.println("IOException: " + e.getMessage());
System.exit(1);
35 }
}

```

[Close log]

```
//[Close log]
```

```
5 public void closeLog()
```

```
sTime=sStartTime;
```

```
logError("elapsedEnd", Long.toString(new Date().getTime()), "", "");
```

10

[illegible]

### APPENDIX 3 (Test Code)

```
//
//Bean under test: com.testmybeans.vendor.Vendor
5 //Author: TestMyBeans Code Generator v0.8
//Creation Date: Fri Dec 10 16:53:15 EST 1999
//Copyright (c) 1999 TestMyBeans, Inc. All rights reserved.
//
//[Java EJB imports]
10 package com.testmybeans.client;
import javax.naming.InitialContext;
import javax.naming.Context;
import javax.naming.NamingException;
import java.rmi.RemoteException;
15 import java.util.*;
import java.io.*;

//[TestThread header]
20 public class invoice extends Thread
{
    int tempInt=0;
    Double tempDouble=new Double(0.0);
    Float tempFloat=new Float(0.0);
25 short tempShort=0;
    long tempLong=0;
    String tempString="";
    long sTime=0;
    long sStartTime=0;
30 int m_instanceNumber = 0;
    static String m_urlName = null;
    String threadNumber="";
    public invoice(int inst, String url)
    {
35 m_instanceNumber = inst;
    m_urlName = url;
```

```
threadNumber=Integer.toString(m_instanceNumber);
//System.out.println("Starting Instance: " + m_instanceNumber);
}
```

```
5    // [TestThread.run implementation]
```

```
public void run()
```

```
{
sTime = new Date().getTime();
sStartTime=sTime;
```

```
10      logError("elapsedStart", Long.toString(new Date().getTime()), "", "");
```

```
//[com.testmybeans.vendor.Vendor create]
```

```
int msValue = (-100000) * ((int) new Date().getTime()) %
(Integer.MAX_VALUE/100000);
```

```
15      int arg0 = m_instanceNumber + msValue;
```

```
com.testmybeans.vendor.Vendor h = null;
```

try

```
{
Context jndi = getInitialContext();
```

```
20 com.testmybeans.vendor.VendorHome home =
```

```
(com.testmybeans.vendor.VendorHome).jndi.lookup("OEVendor");
```

```
h = home.create(arg0);
```

}

```
catch (Exception e)
```

```
25 {
    System.out.println ("com.testmybeans.vendor.VendorHome" + e.toString());
}
```

}

try

 $\{$ 

```
30 //-----com.testmybeans.vendor.Vendor(setCost)-----
```

try

```
{
sTime = new Date().getTime();
```

```
h.setCost(568);
```

```
35      logError("SetTime", "setCost", "568", "");
```

}

```

catch (Exception e)
{
    logError("except", "setCost", e.toString(), "");
}
5 //-----com.testmybeans.vendor.Vendor(setName) -----
try
{
    sTime = new Date().getTime();
    h.setName("qkgthfpw");
10    logError("setTime", "setName", "qkgthfpw", "");
}
catch (Exception e)
{
    logError("except", "setName", e.toString(), "");
15 }
//-----com.testmybeans.vendor.Vendor(setProduct) -----
try
{
    sTime = new Date().getTime();
    h.setProduct("dpnoolww");
20    logError("setTime", "setProduct", "dpnoolww", "");
}
catch (Exception e)
{
    logError("except", "setProduct", e.toString(), "");
25 }
//-----com.testmybeans.vendor.Vendor(getCost) -----
try
{
    sTime = new Date().getTime();
    if((tempInt = h.getCost()) != 555)
    logError("getFailed", "getCost", "555", Integer.toString(tempInt));
    else
    logError("getPassed", "getCost", "555", Integer.toString(tempInt));
30 }
35 catch (Exception e)

```



```

{
    logError("except", "getCost", e.toString(), "");
}
//-----com.testmybeans.vendor.Vendor(getName) -----
try
{
    sTime = new Date().getTime();
    if(!(tempString = h.getName()).equals("icgnhoje"))
        logError("getFailed", "getName", "icgnhoje", tempString);
    else
        logError("getPassed", "getName", "icgnhoje", tempString);
}
catch (Exception e)
{
    logError("except", "getName", e.toString(), "");
}
//-----com.testmybeans.vendor.Vendor(getProduct) -----
try
{
    sTime = new Date().getTime();
    if(!(tempString = h.getProduct()).equals("zwlhjojk"))
        logError("getFailed", "getProduct", "zwlhjojk", tempString);
    else
        logError("getPassed", "getProduct", "zwlhjojk", tempString);
}
catch (Exception e)
{
    logError("except", "getProduct", e.toString(), "");
}
//[Bean end create]
}
catch (Exception e)
{
    logError("except", "beanMethods", e.toString(), "");
}
finally

```

```

5
    {
    try
    {
        closeLog();
        h.remove ();
        h = null;
    }
    catch (Exception e)
    {
10        logError("except", "closeHome", e.toString(), "");
    }
    }
}

15 //[[WebLogic getInitialContext]
public static Context getInitialContext() throws javax.naming.NamingException
{
    try
    {
20        Properties p = new Properties();
        p.put(Context.INITIAL_CONTEXT_FACTORY,
"weblogic.jndi.T3InitialContextFactory");
        p.put(Context.PROVIDER_URL, m_urlName);
        return new javax.naming.InitialContext(p);
25    }
    catch (Exception e)
    {
        System.out.println("getInitialContext Exception: "+e);
        System.exit(1);
30    }
    return null;
    }
//[[Close log]
public void closeLog()
35    {
        sTime=sStartTime;

```

```

logError("elapsedEnd", Long.toString(new Date().getTime()), "", "");
}

//[Log to disk]
5 public void logError(String key, String functionName, String expected, String actual)
    {
        try
        {
            String elapsedTime = Long.toString(new Date().getTime() - sTime);
10 com.testmybeans.client.CThreadWriter.write(key + "~" + functionName + "~" +
expected + "~" + actual + "~" + elapsedTime + "~" + threadNumber);
        }
        catch (Exception e)
        {
15 System.out.println("IOException: " + e.getMessage());
            System.exit(1);
        }
    }
}

20 //
//Bean under test: com.testmybeans.vendor.Vendor
//Author: TestMyBeans Code Generator v0.8
//Creation Date: Fri Dec 10 16:53:15 EST 1999
//Copyright (c) 1999 TestMyBeans, Inc. All rights reserved.
25 //
//[Java EJB imports]
package com.testmybeans.client;
import javax.naming.InitialContext;
import javax.naming.Context;
30 import javax.naming.NamingException;
import java.rmi.RemoteException;
import java.util.*;
import java.io.*;

35
//[TestThread header]

```

public class invoice extends Thread

{

int tempInt=0;

Double tempDouble=new Double(0.0);

5 Float tempFloat=new Float(0.0);

short tempShort=0;

long tempLong=0;

String tempString="";

long sTime=0;

10 long sStartTime=0;

int m\_instanceNumber = 0;

static String m\_urlName = null;

String threadNumber="";

public invoice(int inst, String url)

15 {

m\_instanceNumber = inst;

m\_urlName = url;

threadNumber=Integer.toString(m\_instanceNumber);

//System.out.println("Starting Instance: " + m\_instanceNumber);

20 }

//[TestThread.run implementation]

public void run()

{

25

sTime = new Date().getTime();

sStartTime=sTime;

logError("elapsedStart", Long.toString(new Date().getTime()), "", "");

//[com.testmybeans.vendor.Vendor create]

30

int msValue = (-100000) \* ((int) new Date ().getTime ()) %  
(Integer.MAX\_VALUE/100000);

int arg0 = m\_instanceNumber + msValue;

com.testmybeans.vendor.Vendor h = null;

try

35

{

Context jndi = getInitialContext();

```

        com.testmybeans.vendor.VendorHome home =
        (com.testmybeans.vendor.VendorHome) jndi.lookup("OEVendor");
        h = home.create(arg0);
    }
5    catch (Exception e)
    {
        System.out.println ("com.testmybeans.vendor.VendorHome" + e.toString());
    }
    try
10   {
        //-----com.testmybeans.vendor.Vendor(setCost) -----
        try
        {
            sTime = new Date().getTime();
15         h.setCost(568);
            logError("SetTime", "setCost", "568", "");
        }
        catch (Exception e)
        {
20         logError("except", "setCost", e.toString(), "");
        }
        //-----com.testmybeans.vendor.Vendor(setName) -----
        try
        {
25         sTime = new Date().getTime();
            h.setName("qkgthfpw");
            logError("setTime", "setName", "qkgthfpw", "");
        }
        catch (Exception e)
30         {
            logError("except", "setName", e.toString(), "");
        }
        //-----com.testmybeans.vendor.Vendor(setProduct) -----
        try
35         {
            sTime = new Date().getTime();

```

```

h.setProduct("dpnoolww");
logError("setTime", "setProduct", "dpnoolww", "");
}
catch (Exception e)
5   {
    logError("except", "setProduct", e.toString(), "");
    }
//-----com.testmybeans.vendor.Vendor(getCost) -----
try
10  {
    sTime = new Date().getTime();
    if((tempInt = h.getCost()) != 555)
        logError("getFailed", "getCost", "555", Integer.toString(tempInt));
    else
15    logError("getPassed", "getCost", "555", Integer.toString(tempInt));
    }
catch (Exception e)
    {
        logError("except", "getCost", e.toString(), "");
20    }
//-----com.testmybeans.vendor.Vendor(getName) -----
try
    {
        sTime = new Date().getTime();
25    if(!(tempString = h.getName()).equals("icgnhoje"))
        logError("getFailed", "getName", "icgnhoje", tempString);
        else
        logError("getPassed", "getName", "icgnhoje", tempString);
    }
30 catch (Exception e)
    {
        logError("except", "getName", e.toString(), "");
    }
//-----com.testmybeans.vendor.Vendor(getProduct) -----
35 try
    {

```

```

sTime = new Date().getTime();
if(!(tempString = h.getProduct()).equals("zwlhjojk"))
    logError("getFailed", "getProduct", "zwlhjojk", tempString);
else
5    logError("getPassed", "getProduct", "zwlhjojk", tempString);
    }
    catch (Exception e)
    {
        logError("except", "getProduct", e.toString(), "");
10    }
    //[Bean end create]
    }
    catch (Exception e)
    {
15        logError("except", "beanMethods", e.toString(), "");
    }
    finally
    {
        try
20        {
            closeLog();
            h.remove ();
            h = null;
        }
        catch (Exception e)
25        {
            logError("except", "closeHome", e.toString(), "");
        }
    }
30 }

//[WebLogic getInitialContext]
public static Context getInitialContext() throws javax.naming.NamingException
{
35    try
    {

```

```

Properties p = new Properties();
p.put(Context.INITIAL_CONTEXT_FACTORY,
"weblogic.jndi.T3InitialContextFactory");
p.put(Context.PROVIDER_URL, m_urlName);
5   return new javax.naming.InitialContext(p);
    }
    catch (Exception e)
    {
        System.out.println("getInitialContext Exception: "+e);
10   System.exit(1);
    }
    return null;
    }
    //[Close log]
15   public void closeLog()
    {
        sTime=sStartTime;
        logError("elapsedEnd", Long.toString(new Date().getTime()), "", "");
    }

20   //[Log to disk]
    public void logError(String key, String functionName, String expected, String actual)
    {
        try
        {
25   String elapsedTime = Long.toString(new Date().getTime() - sTime);
            com.testmybeans.client.CThreadWriter.write(key + "~" + functionName + "~" +
expected + "~" + actual + "~" + elapsedTime + "~" + threadNumber);
        }
        catch (Exception e)
        {
30   System.out.println("IOException: " + e.getMessage());
            System.exit(1);
        }
    }
35   }
}

```